File No.: 0136/0K089US0

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):   Hyuk-Jun NAM and Sang-Hern KIM

Serial No: To Be Assigned (National Phase of International Application
                  No. PCT/KR00/01173, filed October 18, 2000).

Filed: Concurrently Herewith

For: **A TRANSFORMANT FOR SCREENING OF INHIBITORS FOR
                  HUMAN IMMUNODEFICIENCY VIRUS**

- -

STATEMENT PURSUANT TO RULE 1.821(f)

December 6, 2001

Hon. Commissioner of Patents
U.S. Patent and Trademark Office
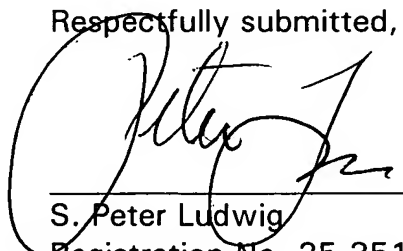P.O. Box 2327
Arlington, Virginia 22202

Sir:

A diskette is enclosed which includes a sequence listing for the above-

referenced application. A paper copy of the file is attached.

The sequence in the present Sequence Listing is shown in the specification of the corresponding international application no. PCT/KR00/01173 as published on October 18, 2001 and transmitted by the International Bureau; therefore, no new matter has been added as a result of the amendment filed herewith.

The content of the attached paper entitled "Sequence Listing" and of the accompanying machine-readable ASCII-encoded file on diskette labeled "Sequence list (ASCII Copy)", is the same. Furthermore, the information contained in the attached "Sequence Listing" and the ASCII-encoded file is identical to the information in the specification as filed.

Consideration of the enclosed diskette and paper are respectfully requested.

Respectfully submitted,

S. Peter Ludwig
Registration No. 25,351
Attorney for Applicant(s)

DARBY & DARBY PC
805 Third Avenue
New York, NY 10022
(212) 527-7700

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PTO/PCT Rec'd 6 DEC 2004

PCT10

RAW SEQUENCE LISTING

DATE: 01/14/2002

PATENT APPLICATION: US/10/009,118

TIME: 13:47:54

Input Set : A:\Sequence list (ASCII copy).txt

Output Set: N:\CRF3\01142002\J009118.raw

ENTERED

```
   3 <110> APPLICANT: YOU, Ji-Chang
   5 <120> TITLE OF INVENTION: A Transformant for Screening of Inhibitors for Human
Immunodef
   6       iciency Virus
   8 <130> FILE REFERENCE: P0019-JCY
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/009,118
C--> 10 <141> CURRENT FILING DATE: 2001-12-06
  10 <160> NUMBER OF SEQ ID NOS: 8
  12 <170> SOFTWARE: KOPATIN 1.5
  14 <210> SEQ ID NO: 1
  15 <211> LENGTH: 3279
  16 <212> TYPE: DNA
  17 <213> ORGANISM: Artificial Sequence
  19 <220> FEATURE:
  21 <223> OTHER INFORMATION: beta-galactosidase gene
  24 <400> SEQUENCE: 1
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  27 atcatcatga cagatctgcg cgcgatcgat atcagcgctt taaatttgcg catgctagct     120
  29 atagttctag aggtaccggt tgttaacgtt agccggctac gtatactccg gaatattaat     180
  31 aggcctagga tgcatatggc ggccgcctgc aggtcgactc tagaggatcc cgtcgtttta     240
  33 caacgtcgtg actgggaaaa ccctggcgtt acccaactta atcgccttgc agcacatccc     300
  35 cctttcgcca gctggcgtaa tagcgaagag gcccgcaccg atcgcccttc ccaacagttg     360
  37 cgcagcctga atggcgaatg gcgctttgcc tggtttccgg caccagaagc ggtgccggaa     420
  39 agctggctgg agtgcgatct tcctgaggcc gatactgtcg tcgtccctc aaactggcag      480
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  43 ccgtttgttc ccacggagaa tccgacgggt tgttactcgc tcacatttaa tgttgatgaa     600
  45 agctggctac aggaaggcca gacgcgaatt attttttgatg gcgttaactc ggcgtttcat     660
  47 ctgtggtgca acgggcgctg ggtcggttac ggccaggaca gtcgtttgcc gtctgaattt     720
  49 gacctgagcg cattttttacg cgccggagaa aaccgcctcg cggtgatggt gctgcgttgg     780
  51 agtgacggca gttatctgga agatcaggat atgtggcgga tgagcggcat tttccgtgac     840
  53 gtctcgttgc tgcataaacc gactacacaa atcagcgatt ccatgttgc cactcgcttt      900
  55 aatgatgatt tcagccgcgc tgtactggag gctgaagttc agatgtgcgg cgagttgcgt     960
  57 gactacctac gggtaacagt ttctttatgg cagggtgaaa cgcaggtcgc cagcggcacc    1020
  59 gcgcctttcg gcggtgaaat tatcgatgag cgtggtggtt atgccgatcg cgtcacacta    1080
  61 cgtctgaacg tcgaaaaccc gaaactgtgg agcgccgaaa tcccgaatct ctatcgtgcg    1140
  63 gtggttgaac tgcacaccgc cgacggcacg ctgattgaag cagaagcctg cgatgtcggt    1200
  65 ttccgcgagg tgcggattga aaatggtctg ctgctgctga cggcaagcc gttgctgatt     1260
  67 cgaggcgtta accgtcacga gcatcatcct ctgcatggtc aggtcatgga tgagcagacg    1320
  69 atggtgcagg atatcctgct gatgaagcag aacaacttta cgccgtgcg ctgttcgcat     1380
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  75 tggctaccgg cgatgagcga acgcgtaacg cgaatggtgc agcgcgatcg taatcacccg    1560
  77 agtgtgatca tctggtcgct ggggaatgaa tcaggccacg gcgctaatca cgacgcgctg    1620
  79 tatcgctgga tcaaatctgt cgatccttcc cgcccggtgc agtatgaagg cggcggagcc    1680
  81 gacaccacgg ccaccgatat tatttgcccg atgtacgcgc gcgtggatga agaccagccc    1740
  83 ttcccggctg tgccgaaatg gtccatcaaa aaatggcttt cgctacctgg agagacgcgc    1800
  85 ccgctgatcc tttgcgaata cgcccacgcg atgggtaaca gtcttggcgg tttcgctaaa    1860
  87 tactggcagg cgtttcgtca gtatccccgt ttacagggcg gcttcgtctg ggactgggtg    1920
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RAW SEQUENCE LISTING   DATE: 01/14/2002
PATENT APPLICATION: US/10/009,118   TIME: 13:47:54

Input Set : A:\Sequence list (ASCII copy).txt
Output Set: N:\CRF3\01142002\J009118.raw

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 91 tttggcgata cgccgaacga tcgccagttc tgtatgaacg gtctggtctt tgccgaccgc      2040
 93 acgccgcatc cagcgctgac ggaagcaaaa caccagcagc agttttttcca gttccgttta     2100
 95 tccgggcaaa ccatcgaagt gaccagcgaa tacctgttcc gtcatagcga taacgagctc      2160
 97 ctgcactgga tggtggcgct ggatggtaag ccgctggcaa gcggtgaagt gcctctggat      2220
 99 gtcgctccac aaggtaaaca gttgattgaa ctgcctgaac taccgcagcc ggagagcgcc      2280
101 gggcaactct ggctcacagt acgcgtagtg caaccgaacg cgaccgcatg gtcagaagcc      2340
103 gggcacatca gcgcctggca gcagtggcgt ctggcggaaa acctcagtgt gacgctcccc      2400
105 gccgcgtccc acgccatccc gcatctgacc accagcgaaa tggatttttg catcgagctg      2460
107 ggtaataagc gttggcaatt taaccgccag tcaggctttc tttcacagat gtggattggc      2520
109 gataaaaaac aactgctgac gccgctgcgc gatcagttca cccgtgcacc gctggataac      2580
111 gacattggcg taagtgaagc gacccgcatt gaccctaacg cctgggtcga acgctggaag      2640
113 gcggcgggcc attaccaggc cgaagcagcg ttgttgcagt gcacggcaga tacacttgct      2700
115 gatgcggtgc tgattacgac cgctcacgcg tggcagcatc aggggaaaac cttatttatc      2760
117 agccggaaaa cctaccggat tgatggtagt ggtcaaatgg cgattaccgt tgatgttgaa      2820
119 gtggcgagcg atacaccgca tccggcgcgg attggcctga actgccagct ggcgcaggta      2880
121 gcagagcggg taaactggct cggattaggg ccgcaagaaa actatcccga ccgccttact      2940
123 gccgcctgtt ttgaccgctg ggatctgcca ttgtcagaca tgtataccc gtacgtcttc       3000
125 ccgagcgaaa acggtctgcg ctgcgggacg cgcgaattga attatggccc acaccagtgg      3060
127 cgcggcgact tccagttcaa catcagccgc tacagtcaac agcaactgat ggaaaccagc      3120
129 catcgccatc tgctgcacgc ggaagaaggc acatggctga atatcgacgg tttccatatg      3180
131 gggattggtg gcgacgactc ctggagcccg tcagtatcgg cggaattcca gctgagcgcc      3240
133 ggtcgctacc attaccagtt ggtctggtgt caaaaataa                             3279
136 <210> SEQ ID NO: 2
137 <211> LENGTH: 131
138 <212> TYPE: DNA
139 <213> ORGANISM: Human immunodeficiency virus type 1
142 <400> SEQUENCE: 2
143 ctctcgacgc aggactcggc ttgctgaagc gcgcacagca agaggcgagg ggcggcgact        60
145 ggtgagtacg ccaatttttg actagcggag gctagaagga gagagagatg ggtgcgagag       120
147 cgtcggtatt a                                                            131
150 <210> SEQ ID NO: 3
151 <211> LENGTH: 84
152 <212> TYPE: DNA
153 <213> ORGANISM: Human immunodeficiency virus type 1
156 <400> SEQUENCE: 3
157 ctctcgacgc aggactcggc ttgctgaagc gcgcacagca agaggcgagg ggcggcgact        60
159 ggtgagtacg ccaatttttg acta                                              84
162 <210> SEQ ID NO: 4
163 <211> LENGTH: 67
164 <212> TYPE: DNA
165 <213> ORGANISM: Human immunodeficiency virus type 1
168 <400> SEQUENCE: 4
169 agcaagaggc gaggggcggc gactggtgag tacgccaatt tttgactagc ggaggctaga        60
171 aggagag                                                                 67
174 <210> SEQ ID NO: 5
175 <211> LENGTH: 88
176 <212> TYPE: DNA
177 <213> ORGANISM: Human immunodeficiency virus type 1
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RAW SEQUENCE LISTING   DATE: 01/14/2002
PATENT APPLICATION: US/10/009,118   TIME: 13:47:54

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183 aggagagaga gacgggtgcg agagcgtc                                           88
186 <210> SEQ ID NO: 6
187 <211> LENGTH: 31
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
193 <223> OTHER INFORMATION: primer for amplifying SL23 and SL234 sequences of
194       Human immunodeficiency virus type 1
197 <400> SEQUENCE: 6
198 gggggtgacc tttaaaagca agaggcgagg g                                       31
201 <210> SEQ ID NO: 7
202 <211> LENGTH: 28
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
208 <223> OTHER INFORMATION: primer for amplifying SL23 sequence of Human
immunodeficiency
209       virus type 1
212 <400> SEQUENCE: 7
213 gggggtgacc ctctccttct agcctccg                                           28
216 <210> SEQ ID NO: 8
217 <211> LENGTH: 31
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
223 <223> OTHER INFORMATION: primer for amplifying SL234 sequence of Human
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224       virus type 1
227 <400> SEQUENCE: 8
228 gggggtgacc gacgctctcg cacccgtctc t                                       31
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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/009,118

DATE: 01/14/2002
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Input Set : **A:\Sequence list (ASCII copy).txt**
Output Set: **N:\CRF3\01142002\J009118.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date